



## New Program Report

**Date Submitted:**

01/22/2019

**Institution**

University of Missouri-St. Louis

**Site Information**

**Implementation Date:**

8/1/2019 12:00:00 AM

**Added Site(s):**

**Selected Site(s):**

University of Missouri-St. Louis, 1 University Blvd, St. Louis, MO, 63121-4400

**CIP Information**

**CIP Code:**

110202

**CIP Description:**

A program that prepares individuals to apply the knowledge and skills of general computer programming to the solution of specific operational problems and customization requirements presented by individual software users and organizational users. Includes training in specific types of software and its installation and maintenance.

**CIP Program Title:**

Computer Programming, Specific Applications

**Institution Program Title:**

Computing Technology

**Degree Level/Type**

**Degree Level:**

Bachelor's Degree

**Degree Type:**

Bachelor of Science

**Options Added:**

**Collaborative Program:**

N

**Mode of Delivery**

**Current Mode of Delivery**

Classroom

Hybrid

Online

Student Preparation



## New Program Report

Special Admissions Procedure or Student Qualifications required:  
None

Specific Population Characteristics to be served:  
n/a

### Faculty Characteristics

Special Requirements for Assignment of Teaching for this Degree/Certificate:  
None

Estimate Percentage of Credit Hours that will be assigned to full time faculty:  
85%

Expectations for professional activities, special student contact, teaching/learning innovation:  
Tenure-track faculty are expected to engage in research and to publish, seek grants, supervise and advise students, give presentations to peers, and review grant proposals and publications. Non-tenure-track faculty are expected to engage in student advising, supervise internships, and supervise undergraduate research experiences

### Student Enrollment Projections Year One-Five

Year 1	Full Time: 17	Part Time: 8	
Year 2	Full Time: 34	Part Time: 16	
Year 3	Full Time: 50	Part Time: 25	Number of Graduates: 13
Year 4	Full Time: 67	Part Time: 33	
Year 5	Full Time: 84	Part Time: 41	Number of Graduates: 30

Percentage Statement:  
n/a

### Program Accreditation

Institutional Plans for Accreditation:  
The University of Missouri-St. Louis is accredited by HLC. There is no specific accreditation that is planned for the Computing Technology degree

### Program Structure

Total Credits:  
120

### Residency Requirements:

At least 30 of the last 36 hours of the degree program must be completed in residence at the University of Missouri-St. Louis and students must complete 12 hours of graded work at UMSL at the 2000 level or above within the minimum number of hours required for this major

General Education Total Credits:  
43

Major Requirements Total Credits:  
45

Course(s) Added



## New Program Report

COURSE NUMBER	CREDITS	COURSE TITLE
CMP SCI 2700	3	Computer Organization and Architecture
Eng 3130	3	Technical Writing
CMP SCI 4010	3	Advanced Web Development with Java
Math 1320	3	Applied Statistics
CMP SCI 3010	3	Web Programming
CMP SCI 4500	3	Introduction to the Software Profession (capstone)
Math 1800	3	Calculus I
Math 3000	3	Discrete Structures
InfSys 3868	3	Secure Software Development
CMP SCI 2750	3	System Programming and Tools
CMP SCI 2261	3	Object Oriented Programming
InfSys 3844	3	Developing Business Applications in .NET
CMP SCI 2250	3	Programming and Data Structures
CMP SCI 1250	3	Introduction to Computing
CMP SCI 4610	3	Database Management Systems

**Free Elective Credits:**

32

**Internship or other Capstone Experience:**

CMP SCI 4500 Introduction to the Software Profession (capstone)

**Assurances**

I certify that the program is clearly within the institution's CBHE-approved mission. The proposed new program must be consistent with the institutional mission, as well as the principal planning priorities of the public institution, as set forth in the public institution's approved plan or plan update.

I certify that the program will be offered within the proposing institution's main campus, CBHE-approved service region or CBHE-approved off-site location.

I certify that the program will not unnecessarily duplicate an existing program within the geographically applicable area.

I certify that the program will build upon existing programs and faculty expertise.

I certify that the program can be launched with minimal expense and falls within the institution's current operating budget.

I certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms of meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.



## New Program Report

### Contact Information

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Phone: 573-884-3360

## New Program Template for MDHE Approval

Please fill in the fields within the < > symbols.

Implementation Date: <Fall, 2019>

Where is this program to be delivered? <University of Missouri-St. Louis>

CIP Code: < 11.0202>

Program Name: <Computing Technology>

Degree Level: <Bachelor's>

Options: <none>

Collaboration: <none>

Mode of Delivery: <Classroom; Online; Hybrid>

Student Preparation: <none>

Population Served: <not applicable>

Faculty Characteristics:

Special Requirements: <none>

Credits for FTE Faculty: <85%>

**Expectations:** < Tenure-track faculty are expected to engage in research and to publish, seek grants, supervise and advise students, give presentations to peers, and review grant proposals and publications. Non-tenure-track faculty are expected to engage in student advising, supervise internships, and supervise undergraduate research experiences.>

**Student Enrollment Projections:** Fill in the below table

Year One Projections			
Full Time: 17	Part Time: 8	Total: 25	Graduates: 0
Year Two Projections			
Full Time: 34	Part Time: 16	Total: 50	Graduates: 13
Year Three Projections			
Full Time: 50	Part Time: 25	Total: 75	Graduates: 13
Year Four Projections			
Full Time: 67	Part Time: 33	Total: 100	Graduates: 13
Year Five Projections			
Full Time: 84	Part Time: 41	Total: 125	Graduates: 30

**Assurances:**

Read and check the below assurances, and sign your name at the bottom (electronically or by hand).

X	I certify that the program is clearly within the institution's CBHE-approved mission. The proposed new program must be consistent with the institutional mission, as well as the principal planning priorities of the public institution, as set forth in the public institution's approved plan or plan update.
X	I certify that the program will be offered within the proposing institution's main campus, CMHE-approved service region or CBHE-approved off-site location.
X	I certify that the program will not unnecessarily duplicate an existing program within the geographically applicable area.
X	I certify that the program will build upon existing programs within the geographically applicable area.
X	I certify that the program can be launched with minimal expense and falls within the institution's current operating budget.
X	I certify that the institutions has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms on meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.

Signature: \_\_\_\_\_

Name: \_\_\_\_\_